

ABSTRACT

The present invention is to reduce the package cost and secure the high reliability in an optical module having
5 an optical device and an optical fiber.

In the case where the optical module is constituted by use of a pre-molded plastic package, a molding resin is flown parallely with the optical axis direction of the optical fiber on which the plastic package is formed by
10 injection molding. Further, in the case where the plastic package is formed by the comprehensive molding, the flowing direction of resin is parallel with the optical axis direction of the optical fiber to be installed. In the case where a resin case is used, the package exhibits the
15 high rigidity and low thermal expansion properties in connection with the flowing direction of resin, thus reducing the external stress and thermal stress applied to the optical fiber. Accordingly, the high reliability is secured. In the case of the comprehensive molding, the
20 molding pressure applied to the optical fiber is reduced. Therefore, the high reliability is secured.

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